

3/13/2019

Denali Water
Cindy Duenes
2001 Key Street
Colton, CA, 92324

Ref: Analytical Testing
Report Number: 19-064-0210
Project Description: LS

Dear Cindy Duenes:

Waypoint Analytical Virginia, Inc. received sample(s) on 3/5/2019 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Sub-contracted testing is noted on the Sample Summary Table if applicable.

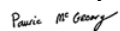
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Pauric McGroary
Agronomist

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Arizona AZ0629
Florida E871087

New Jersey
North Carolina

VA011
257

Pennsylvania
South Carolina

68-03109
93007

Virginia 460014





Sample Summary Table

Report Number: 19-064-0210

Client Project Description: LS

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
65118	LS	Solids	02/28/2019 06:00	03/05/2019		
65118	LS	Solids	02/28/2019 06:00	03/05/2019	SM-4500-NH3C	WTN
65118	LS	Solids	02/28/2019 06:00	03/05/2019	SM-4500-NH3C-TKN	WTN
65118	LS	Solids	02/28/2019 06:00	03/05/2019	4500NO3F-2011	WTN
65118	LS	Solids	02/28/2019 06:00	03/05/2019	6010D	WTN
65118	LS	Solids	02/28/2019 06:00	03/05/2019	SW-7471B	WTN
65118	LS	Solids	02/28/2019 06:00	03/05/2019	SM-2540G	WTN

WTN: Waypoint Analytical - TN, Memphis, TN, Certification: #1354

Report Number: 19-064-0210

Account Number: 11035



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : LS

Lab Number : 65118

Sample Id : LS

REPORT OF ANALYSIS

Date Sampled: 2/28/2019 06:00:00

Date Received: 03/05/2019 00:00

Date Reported: 03/13/2019

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	14.90	149000	100.0	CJR	03/07/2019 16:58	SM-2540G
Moisture *	85.10		100.0	CJR	03/07/2019 16:58	SM-2540G
Total Kjeldahl Nitrogen	7.58	75800	250	CLP	03/12/2019 13:30	SM-4500-NH3C-TKN
Phosphorus	2.18	21800	50.0	KKM	03/08/2019 20:16	6010D
Potassium	0.14	1400	50.0	BKN	03/08/2019 20:16	6010D
Sulfur	2.33	23300	50.0	KKM	03/08/2019 20:16	6010D
Calcium	3.24	32400	250	BKN	03/08/2019 20:16	6010D
Magnesium	0.35	3450	50.0	KKM	03/08/2019 20:16	6010D
Sodium	0.20	1980	250	KKM	03/08/2019 20:16	6010D
Iron		29100	50.0	KKM	03/08/2019 20:16	6010D
Aluminum		4440	50.0	KKM	03/08/2019 20:16	6010D
Manganese		288	5.00	KKM	03/08/2019 20:16	6010D
Copper		431	2.50	KKM	03/08/2019 20:16	6010D
Zinc		1110	12.5	KKM	03/08/2019 20:16	6010D
Ammonia Nitrogen	1.28	12800	100	ZBD	03/11/2019 10:00	SM-4500-NH3C
Organic N	6.30	63000	250		03/11/2019 10:00	CALCULATION
Nitrate+Nitrite-N		<4.88	4.88	ZBD	03/12/2019 12:35	4500NO3F-2011

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank H - Beyond Holding Time

A handwritten signature in black ink that reads "Paucic McGroary".

Our reports and letters are for the exclusive and confidential use of our clients, and may not be reproduced in whole or part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

Paucic McGroary
Agronomist

Report Number: 19-064-0210

Account Number: 11035



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : LS

Lab Number : 65118

Sample Id : LS

REPORT OF ANALYSIS

Date Sampled: 2/28/2019 06:00:00

Date Received: 03/05/2019 00:00

Date Reported: 03/13/2019

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Cadmium		1.45	1.00	KKM	03/08/2019 20:16	6010D
Chromium		32.7	2.50	KKM	03/08/2019 20:16	6010D
Nickel		19.5	2.50	KKM	03/08/2019 20:16	6010D
Lead		13.8	3.00	KKM	03/08/2019 20:16	6010D
Arsenic		5.30	5.00	BKN	03/11/2019 16:57	6010D
Mercury		0.389	0.0154	TJS	03/08/2019 15:05	SW-7471B
Selenium		7.45	5.00	KKM	03/08/2019 20:16	6010D
Molybdenum		13.9	2.50	KKM	03/08/2019 20:16	6010D

Comments:

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank H - Beyond Holding Time

A handwritten signature in black ink that reads "Paucic McGroary".

Our reports and letters are for the exclusive and confidential use of our clients, and may not be reproduced in whole or part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

Paucic McGroary
Agronomist

Cooler Receipt Form

Customer Number: **11035**
Customer Name: **Denali Water**
Report Number: **19-064-0210**

Shipping Method

☒ Fed Ex ☐ US Postal ☐ Lab ☐ Other :
☐ UPS ☐ Client ☐ Courier Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



SAMPLE TRANSMITTAL FORM
A&L Eastern Lab
7621 Whitepine Road Richmond VA 23237 Tel: 804-743-940

19-064-0210
11035
03-05-2019
12:36:02
Denali Water
LS

Account #
11035

Customer Information	
Submitted By	Charg
Denali Water Solutions	Denali Water Solutions
3031 Franklin Ave STE A	3031 Franklin Ave STE A
Riverside CA 92507	Riverside CA 92507
	chrisamarks@comcast.net
	jsaint@gmail.com

Project		Sample Information																
Sample ID	Lab Number (Lab Use Only)	Collection Information			Container Information			Please Check Desired Tests										
		Type	Date	Time	Number of Bottles	Type	Volume	SL 1	SL 2	503 Metals	Nitrogen Series	pH	CCE	Ag	Cl	Volatile Solids	Test Package	
LS	10518	X_ Grab Composite	2/28/2019	600	1	Glass X_ Plastic	oz pint X qt										SLSOSO	
MBC		X_ Grab Composite	2/28/2019	800	1	Glass X_ Plastic	oz pint X qt										SLSOSO	
SLR		X_ Grab Composite	2/28/2019	645	1	Glass X_ Plastic	oz pint X qt										SLSOSO	
RIV		X_ Grab Composite	2/28/2019	1100	1	Glass X_ Plastic	oz pint X qt										SLSOSO	

Relinquished By: (Signature)		Date	Time	Received By: (Signature)		Date	Time
Joel santos (signature)		2/28/2019	1300				
redex		3/5/19					

Test Package Details		Special Instructions or Remarks	
SL1: Total Solids (Moisture) Total Kjeldahl Nitrogen, Phosphorus and Potassium SL2: Basic Test SL1 plus Sulfur, Calcium, Magnesium, Sodium, Iron, Aluminum, Manganese, Copper And Zinc 503 Metals: Arsenic, Cadmium, Chromium, Molybdenum, Lead, Nickel, Selenium. (Copper & Zinc included in SL2) Nitrogen Series: Total Kjeldahl, Ammonium, Nitrate & Organic Nitrogen. CCE: Calcium Carbonate Equivalent or Total neutralization Value (For Lime Treated Sludge)		No ice	